

# ECONO-RAIL<sup>®</sup>

*Distinctive*  
ALUMINUM EXTRUDED  
**QUALITY RAILING**

designed  
especially  
for

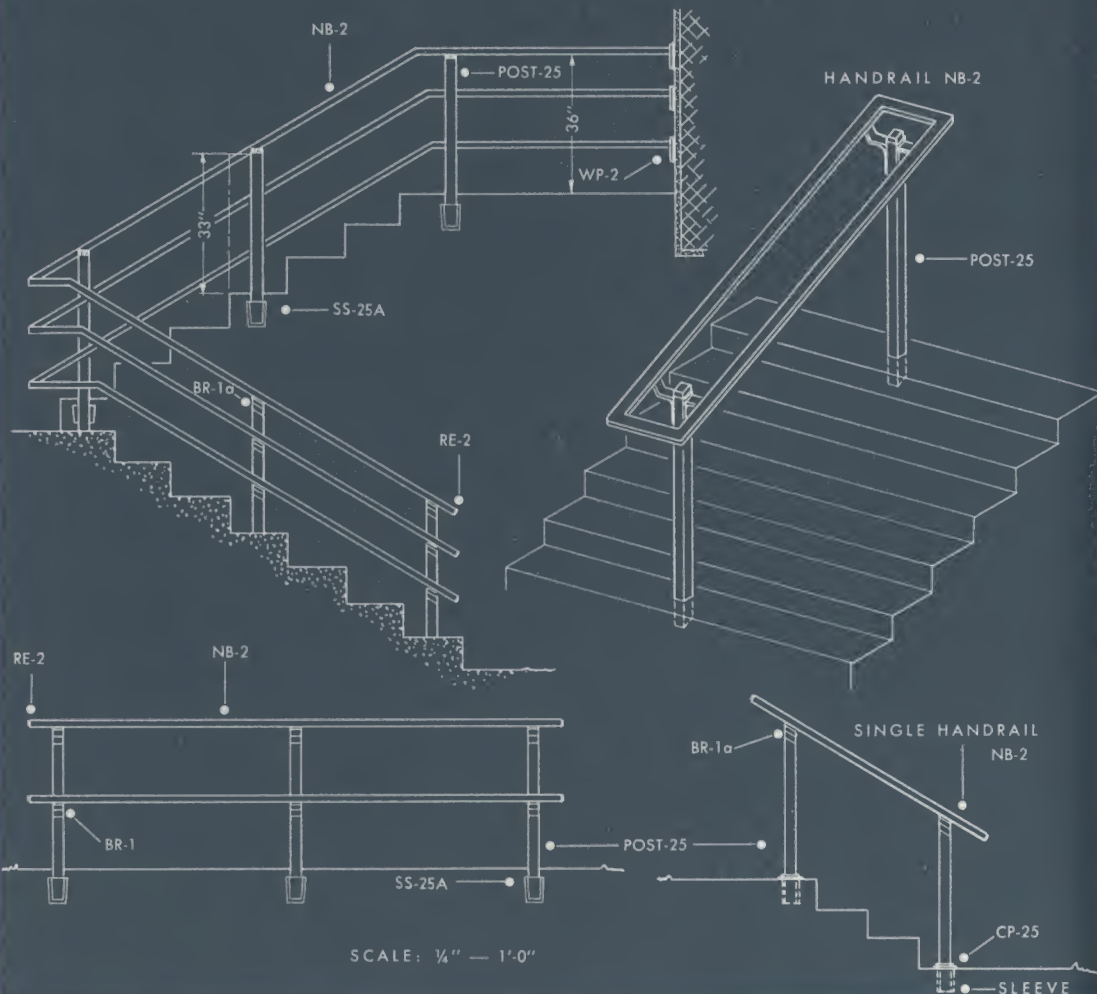
OFFICE BUILDINGS  
INSTITUTIONS  
HOSPITALS  
INDUSTRY  
SCHOOLS

**NEWMAN**  
brothers, inc.

EST. 1882

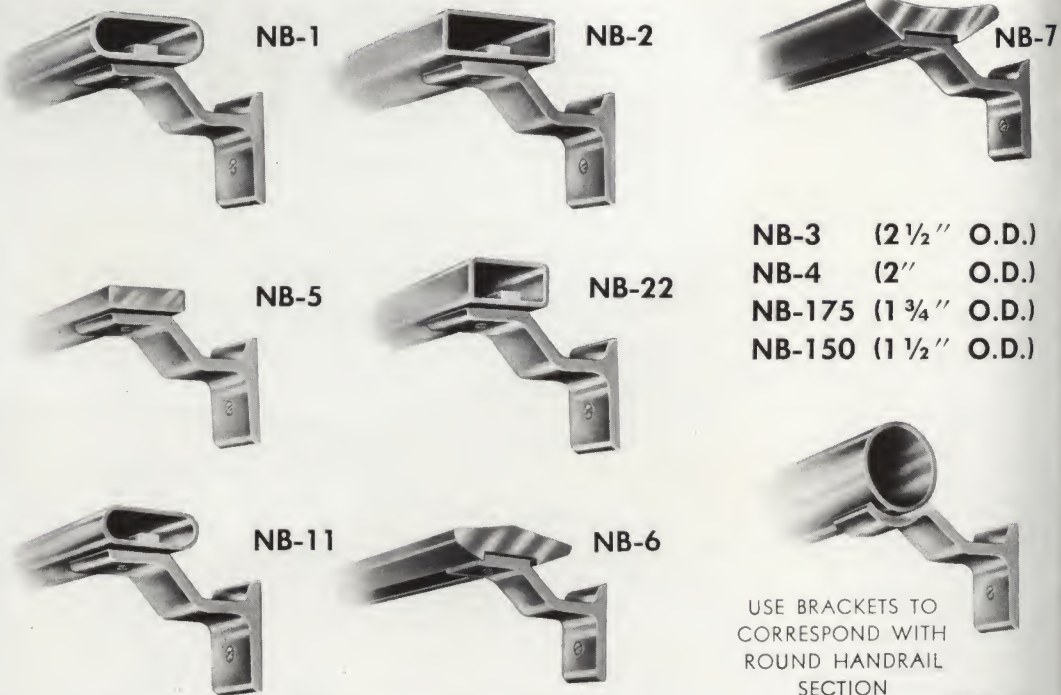
CINCINNATI 3, OHIO

## SUGGESTED APPLICATIONS



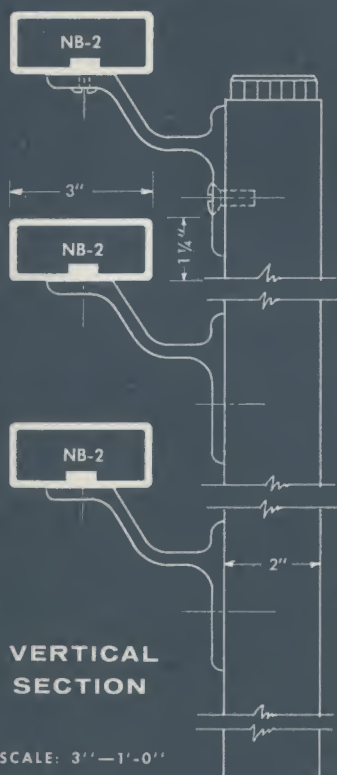
## OPTIONAL HORIZONTAL RAILS

SEE FULL SIZE DETAILS—PG. 10 & 11



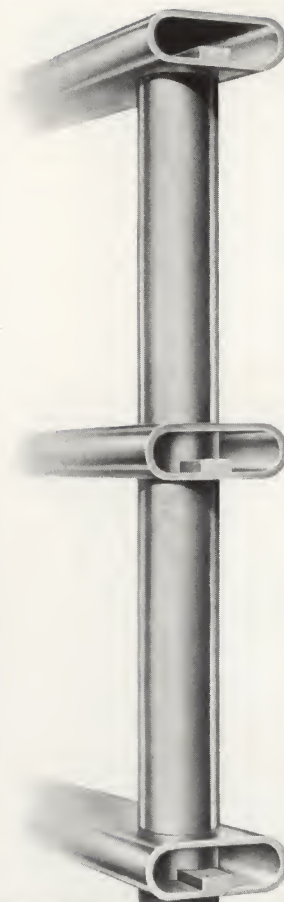
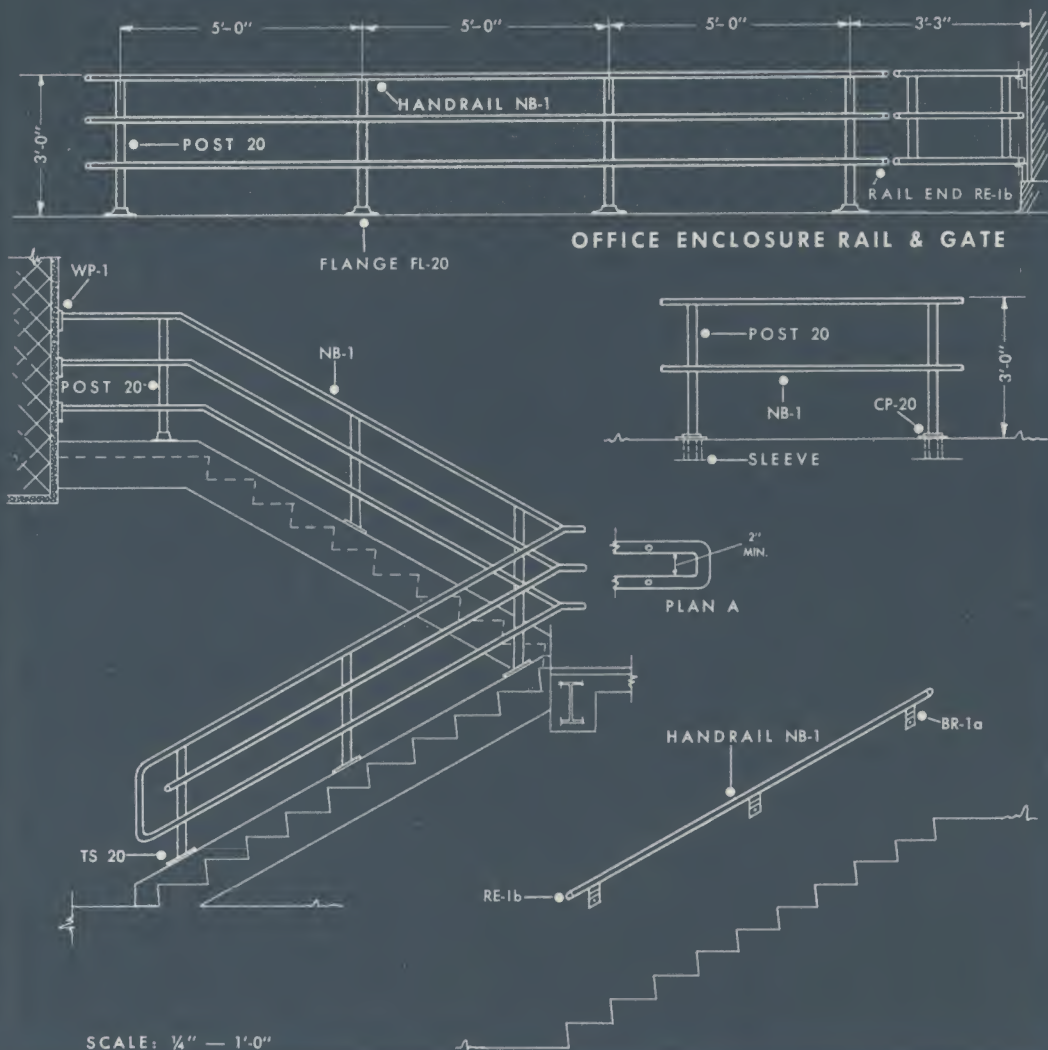
USE BRACKETS BR-1 (SHOWN) OR BR-1a

POST  
25





**SUGGESTED APPLICATIONS**



**POST  
20**

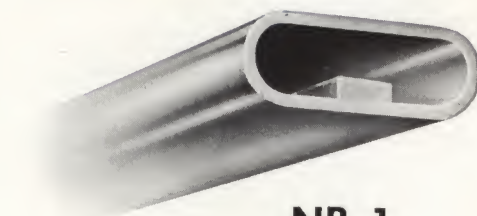
(2" O.D.)

**POST  
17**

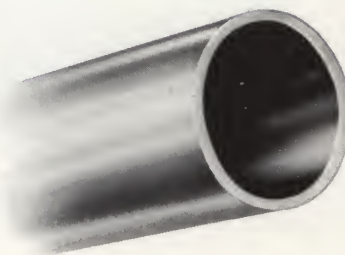
(1 3/4" O.D.)

**OPTIONAL HORIZONTAL RAILS**

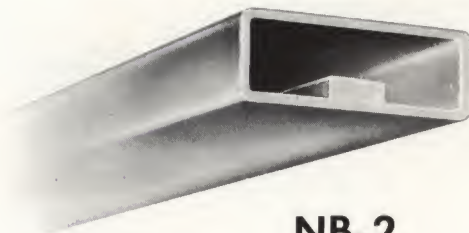
SEE FULL SIZE DETAILS—PG. 10 & 11



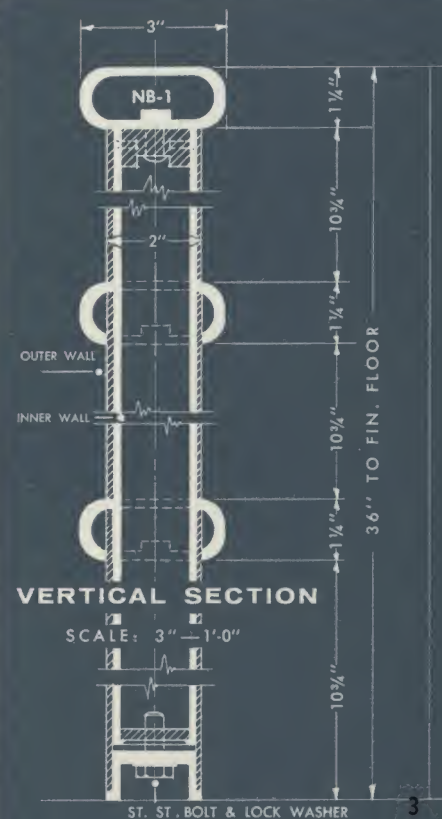
**NB-1**



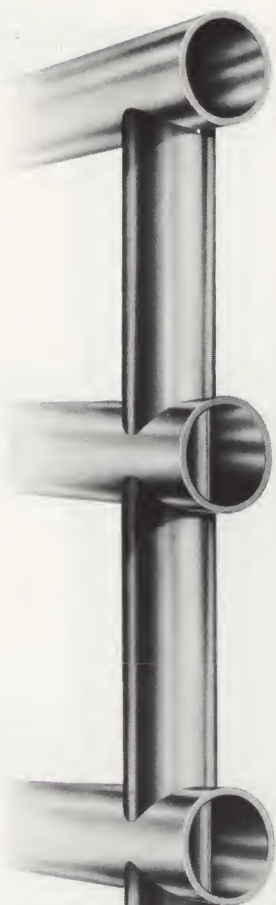
**NB-3**



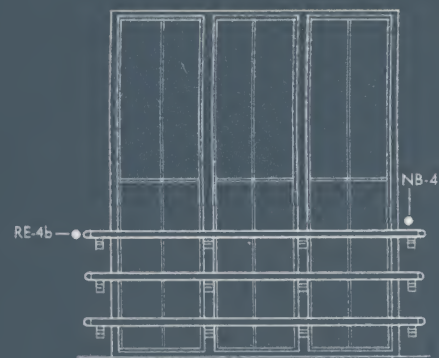
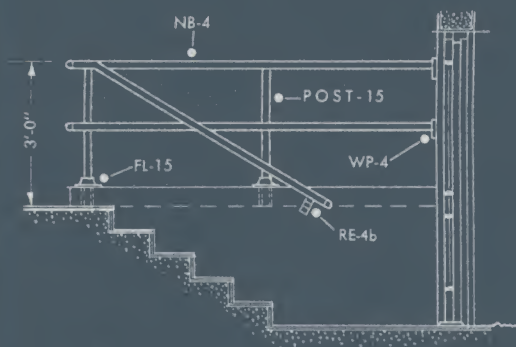
**NB-2**



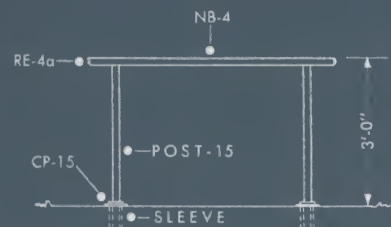
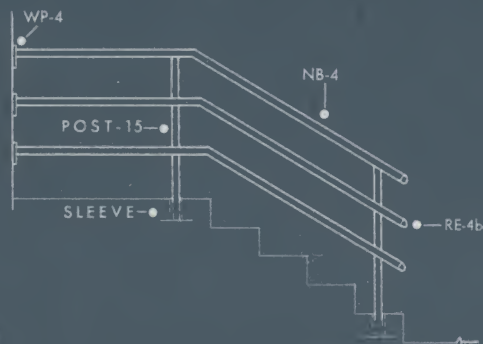
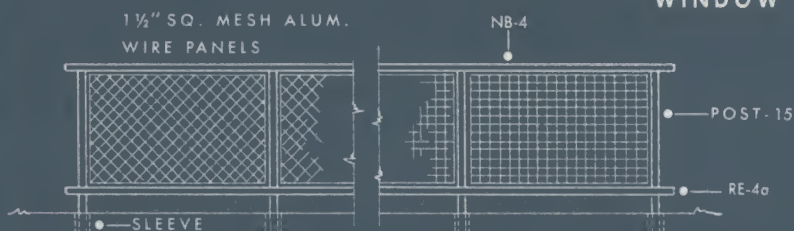
## SUGGESTED APPLICATIONS



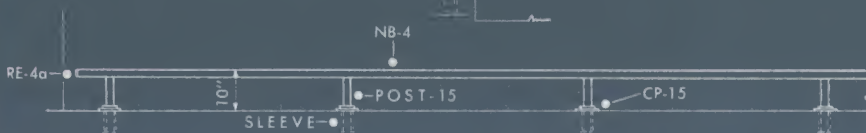
**POST 15** (1½" O.D.) **POST 17** (1¾" O.D.)



WINDOW GUARD RAILS

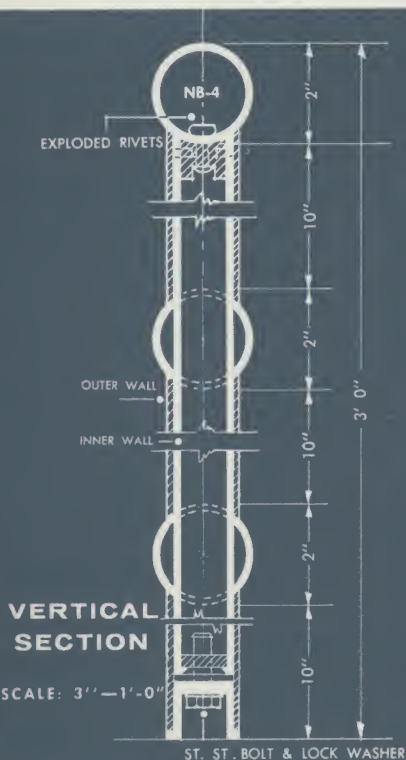


CAFETERIA GUIDE RAIL



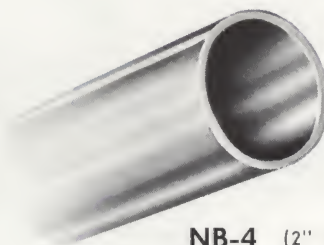
BALCONY GUARD RAIL

SCALE: ¼" = 1'-0"

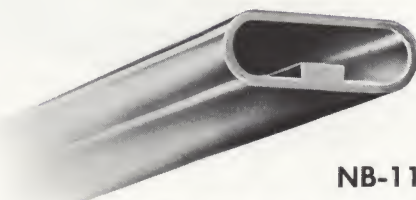


## OPTIONAL HORIZONTAL RAILS

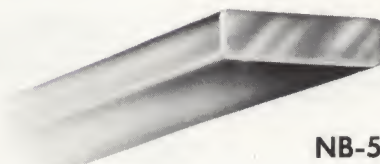
SEE FULL SIZE DETAILS — PG. 10 & 11



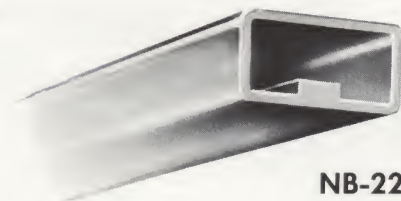
**NB-4** (2" O.D.)  
USE WITH POST 15 OR 17 ONLY  
**NB-175** (1¾" O.D.)  
USE WITH POST 15 ONLY



**NB-11**  
USE WITH POST 15 ONLY



**NB-5**



**NB-22**

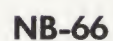


# ECONO-RAIL

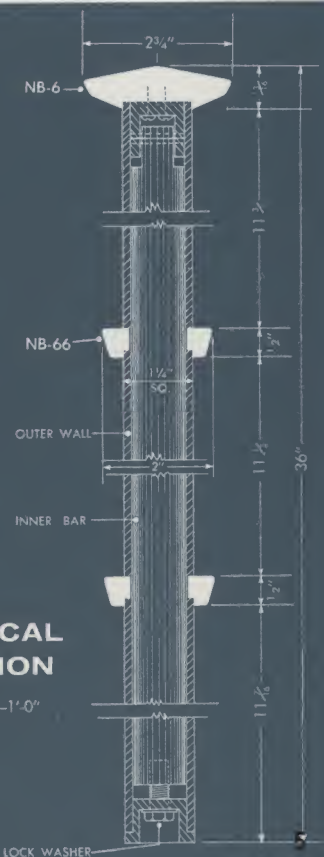


**POST**  
**12** (1 1/4" SQ.)

SEE FULL SIZE DETAILS — PG. 10 & 11



TO BE USED WITH  
POST 12 ONLY



## VERTICAL SECTION

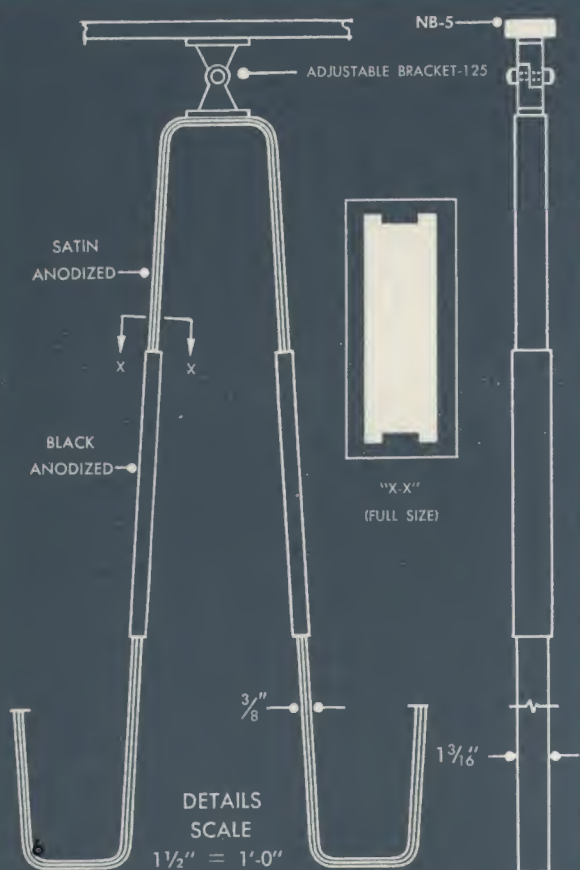
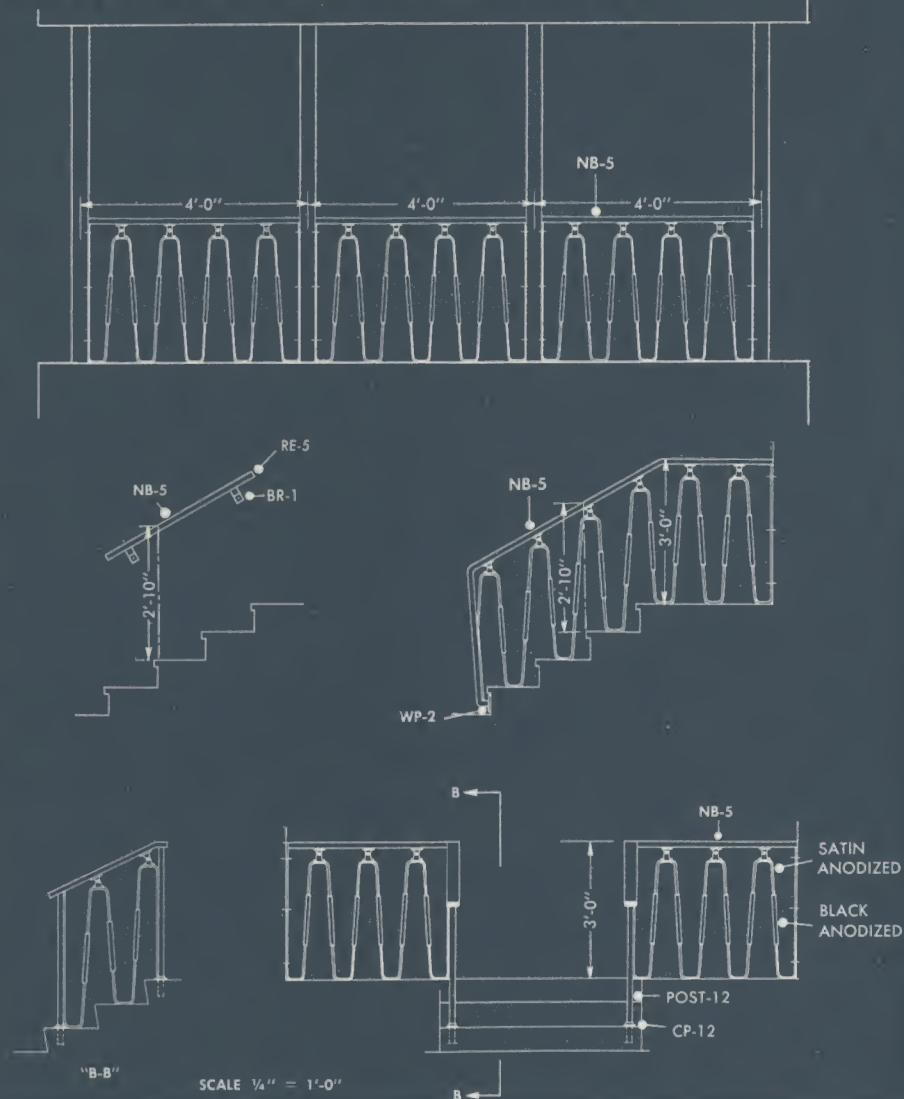
# ECONO-RAIL

(TRADEMARK)



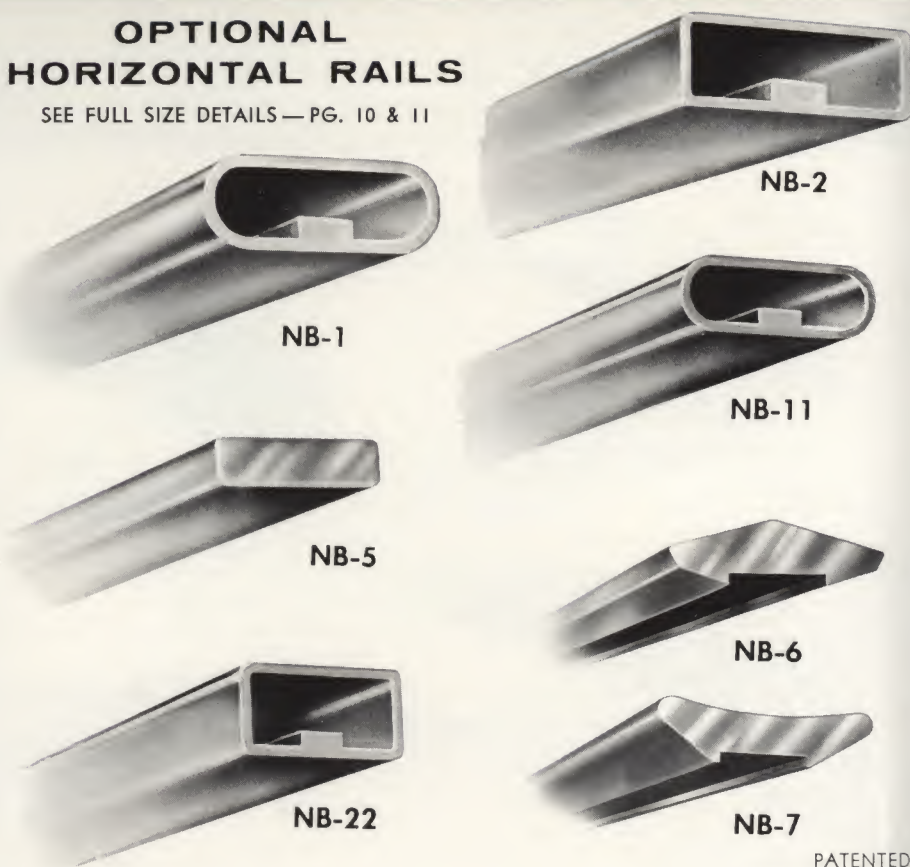
**RIBBON  
BALUSTER  
125**

## SUGGESTED APPLICATIONS



## OPTIONAL HORIZONTAL RAILS

SEE FULL SIZE DETAILS — PG. 10 & 11

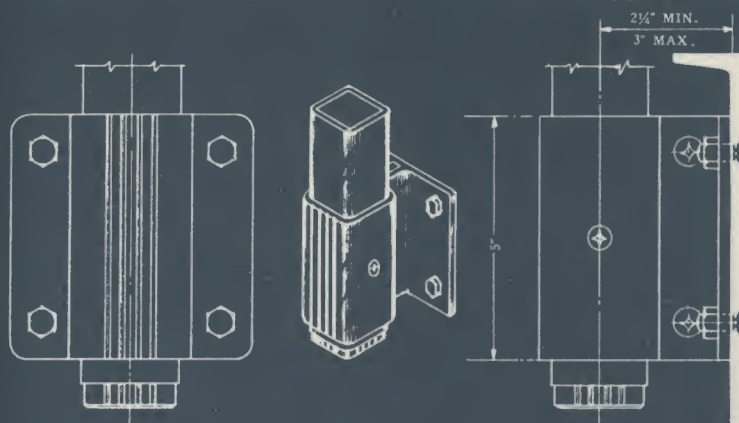


PATENTED

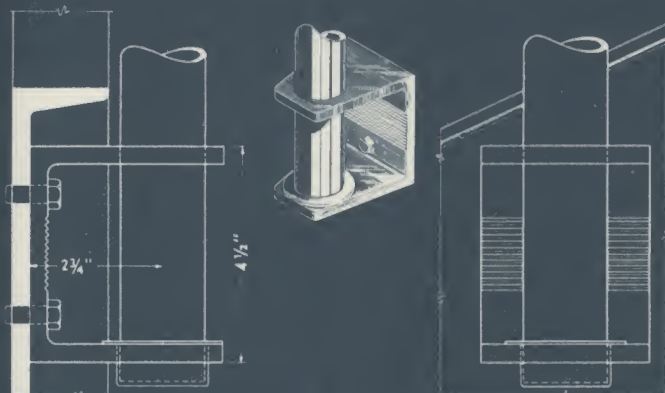


# FITTINGS

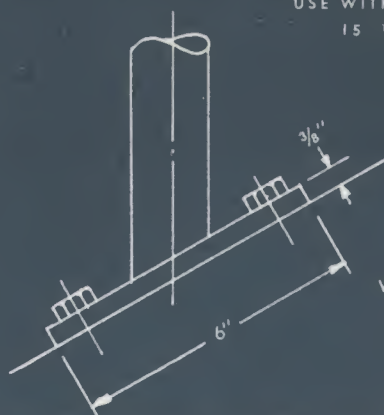
SCALE: 3" = 1'-0"



**SIDE STRINGER MOUNTING SS-25A (SQUARE)**  
ALSO SS-20A (ROUND)



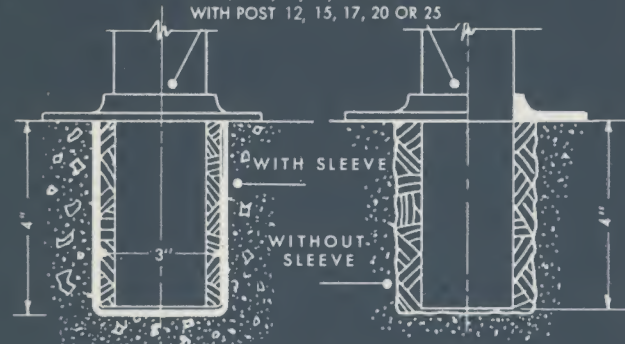
**SIDE STRINGER MOUNTING SS-17**  
USE WITH POST-17,  
15 OR 12



**TOP STRINGER MOUNTING**  
USE TS-15, 17, 20 OR 12  
WITH POST 15, 17, 20 OR 12

## COVER PLATE

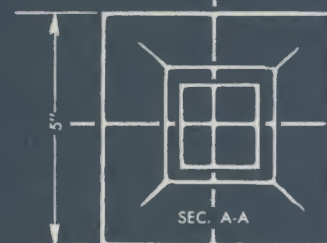
USE CP- 12, 15, 17, 20 OR 25  
WITH POST 12, 15, 17, 20 OR 25



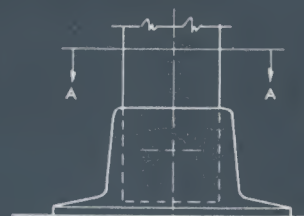
**ANCHORAGE IN CONCRETE**



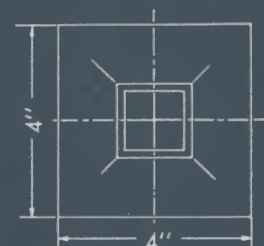
USE FL-15, 17 OR 20  
WITH POST 15, 17 OR 20



USE FL-25 WITH  
POST-25

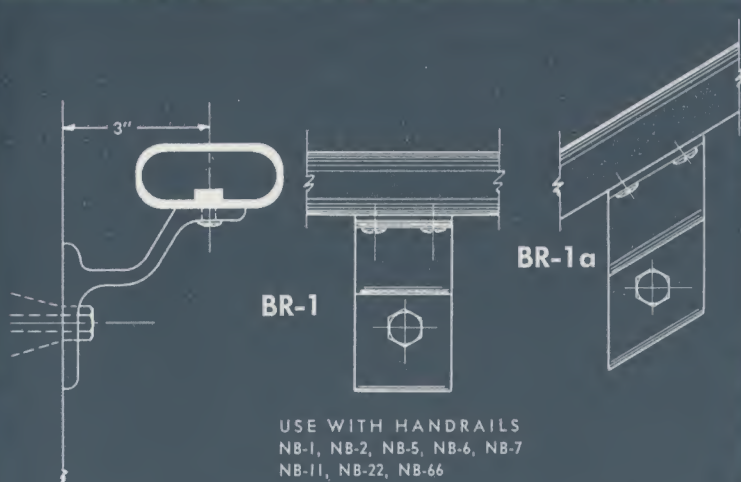


**FLOOR FLANGE**

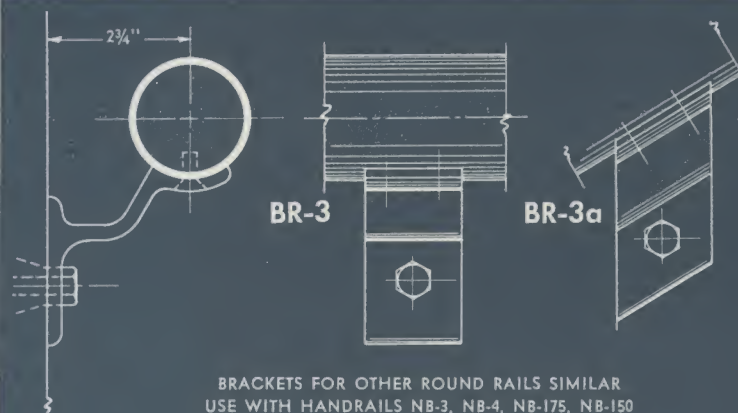


**FL-12**  
USE FL-12 WITH  
POST-12

FASTENING WITH WOOD SCREWS,  
EXPANSION BOLTS, OR  
TO SUIT CONDITIONS



USE WITH HANDRAILS  
NB-1, NB-2, NB-5, NB-6, NB-7  
NB-11, NB-22, NB-66



BRACKETS FOR OTHER ROUND RAILS SIMILAR  
USE WITH HANDRAILS NB-3, NB-4, NB-175, NB-150

## WALL BRACKETS

SCALE: 3" = 1'-0"

## WALL PLATES

SCALE: 3" = 1'-0"



**WP-1**

USE WITH RAILS NB-1, NB-11



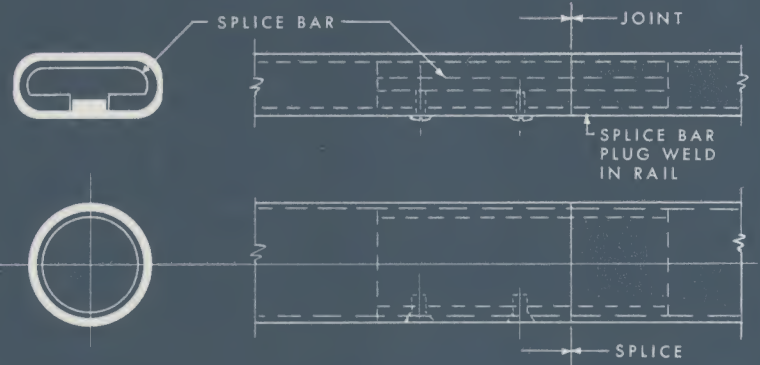
**WP-2**

USE WITH RAILS NB-2, NB-5, NB-6, NB-7, NB-66, NB-22



**WP-3**

USE WITH RAILS NB-3, NB-4,  
NB-175 OR NB-150



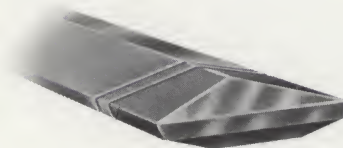
**TYPICAL SPLICE JOINTS**

## RAIL ENDS



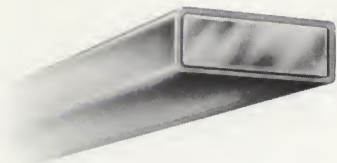
**RE-1b**

USE WITH RAILS  
NB-1 OR NB-11



**RE-6**

USE WITH RAIL NB-6



**RE-2**

USE WITH RAILS  
NB-2 OR NB-22



**RE-7**

USE WITH RAIL NB-7



**RE-4b**

USE WITH RAILS NB-3, NB-4,  
NB-175 OR NB-150

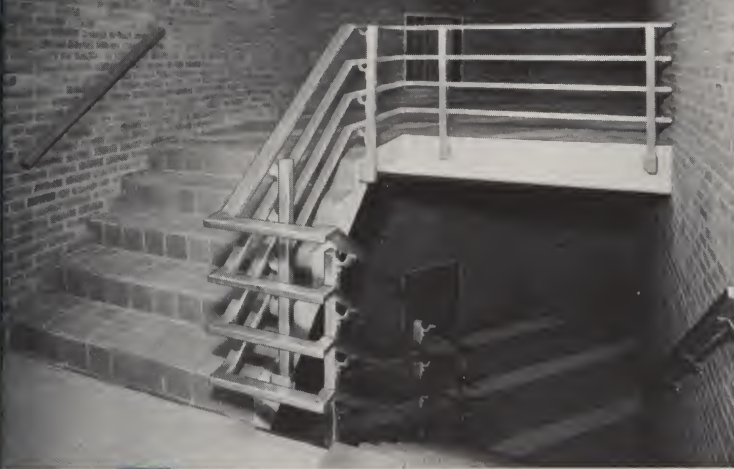


**REPRESENTATIVE**

**ECONO-RAIL**

(TRADEMARK)

**INSTALLATIONS**



St. Jude Church  
Gardner, Holtmeier & Burdick—Architects



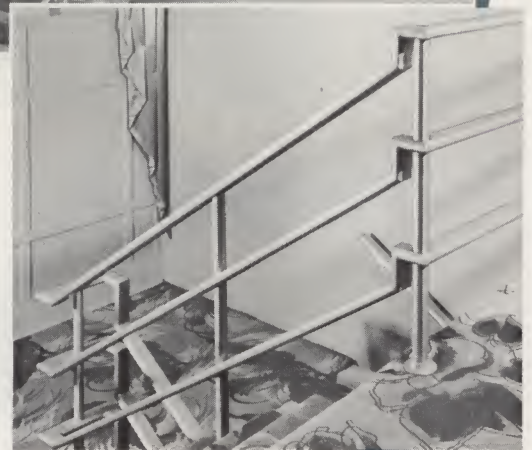
Community Service Bldg.  
Lorenz & Williams—Architects



Beerman Bldg.  
Louis Klein—Architect



Swifton Shopping Center  
David Lieberman—Architects



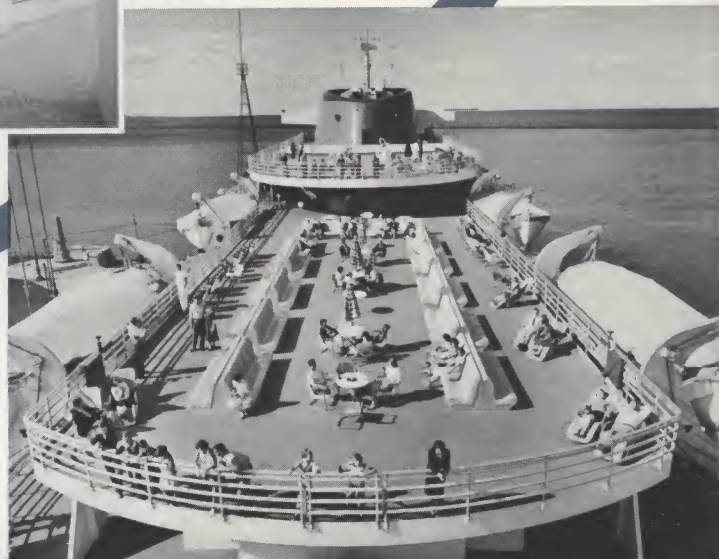
Ohio Theatre  
Geo Bauer, Designer



Home Store  
Coates, Weiler & Wagenknecht  
—Architects



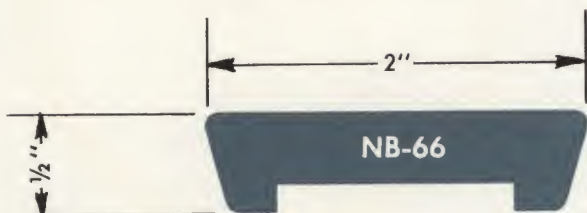
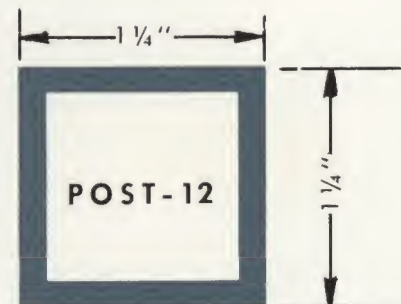
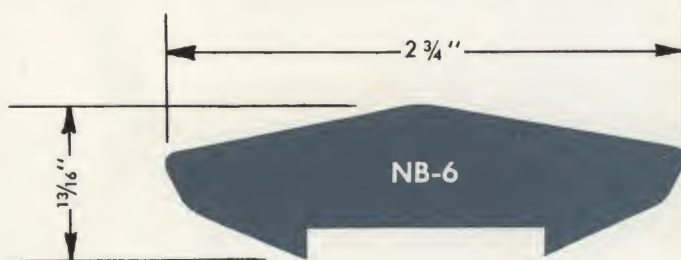
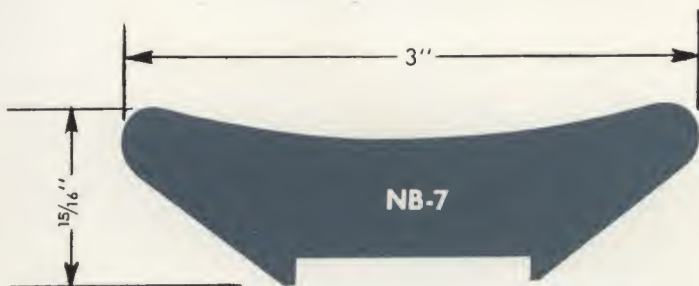
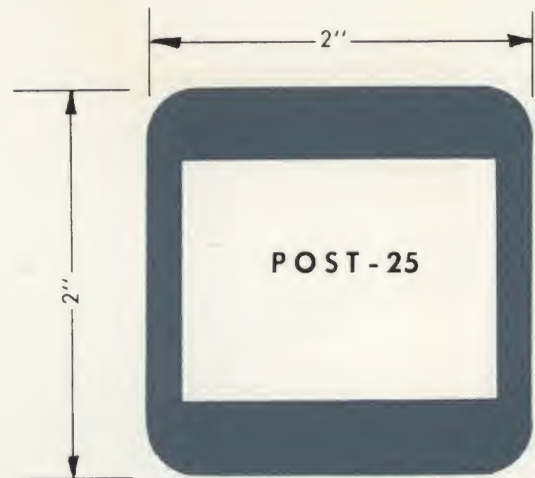
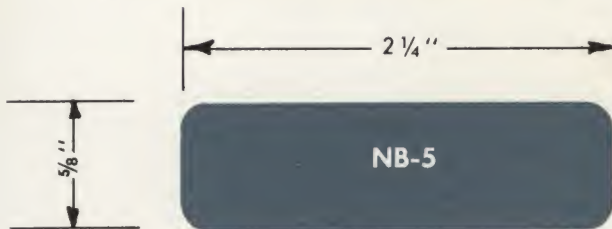
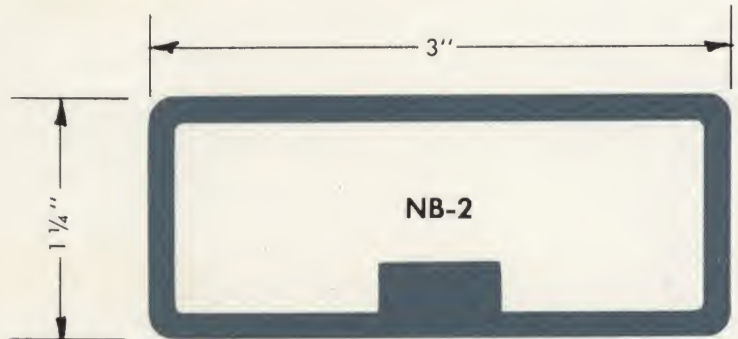
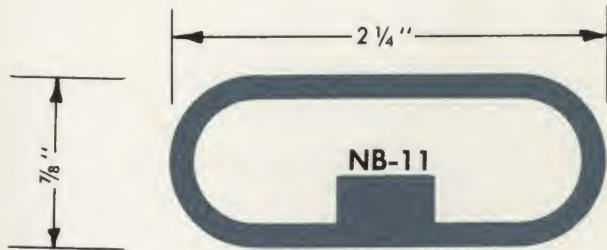
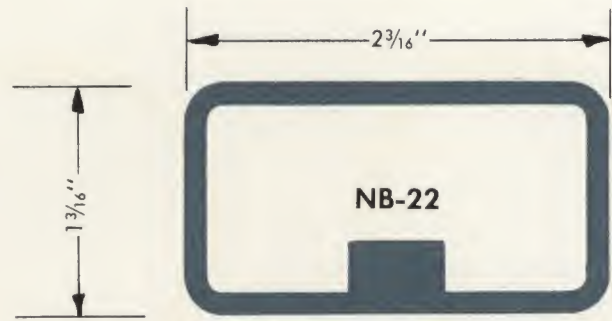
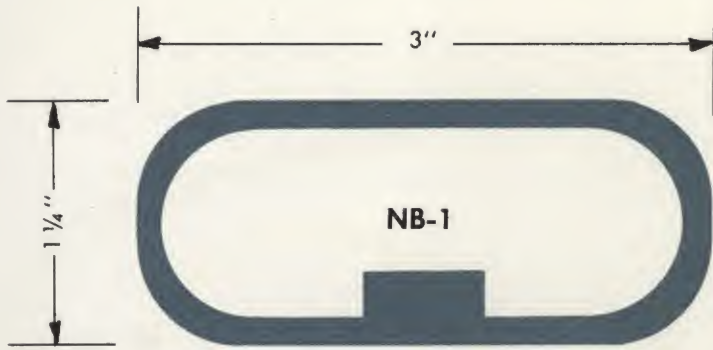
Far Hills Bldg.  
Sullivan, Isaacs & Sullivan—Architects



S.S. Aquarama



# FULL SIZE

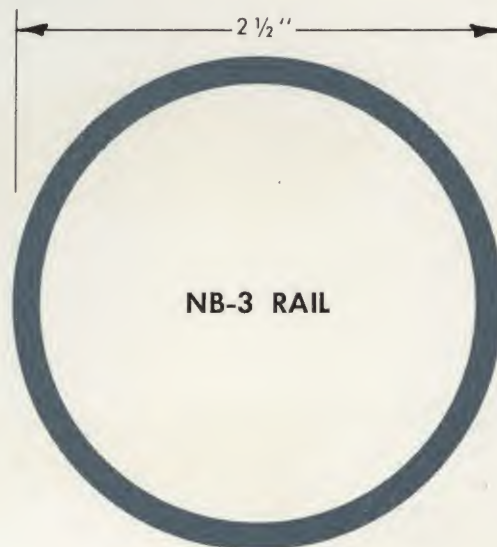
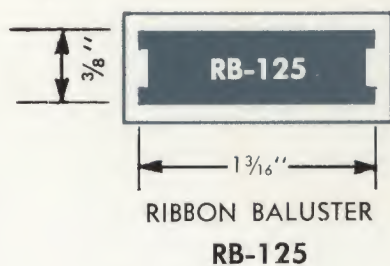
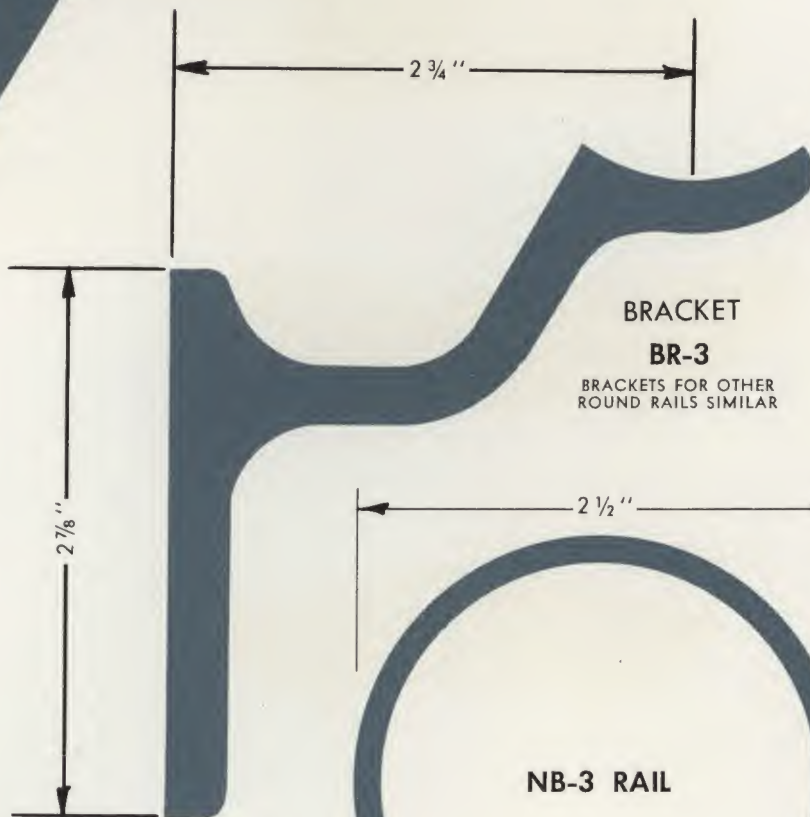
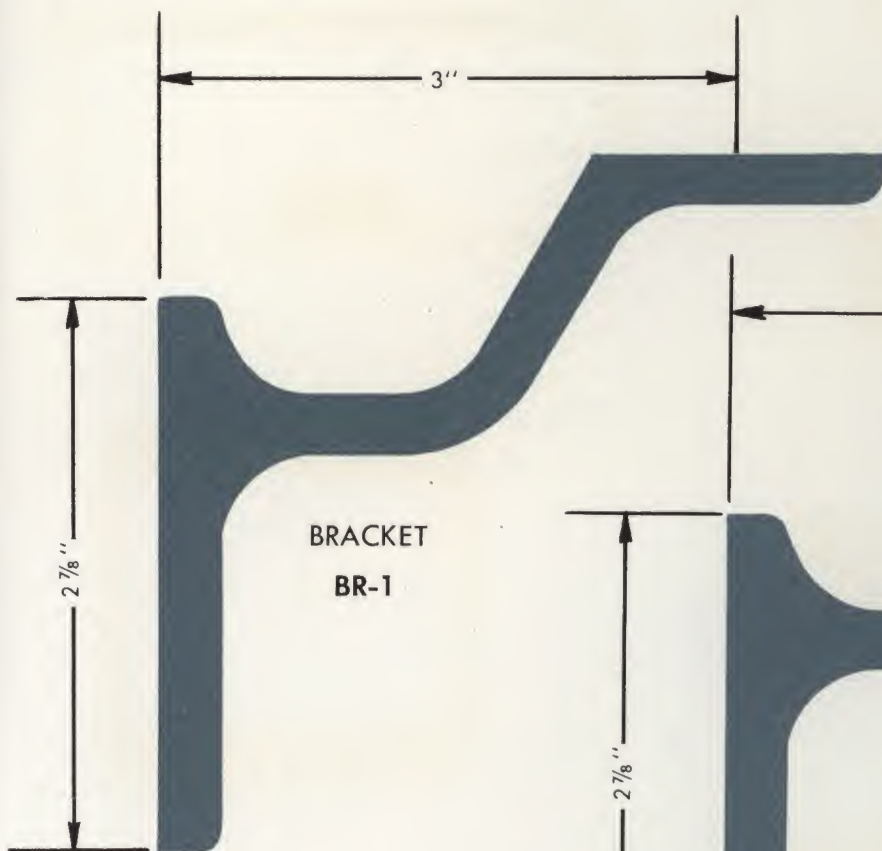
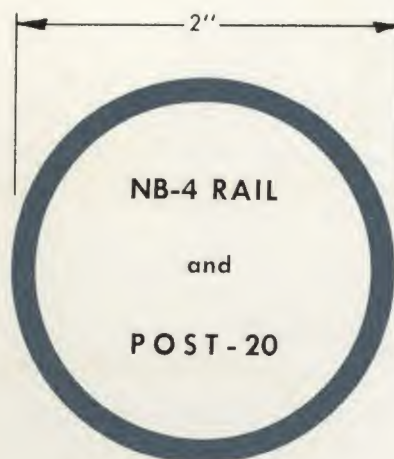
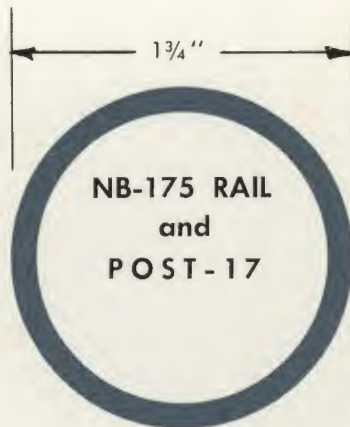
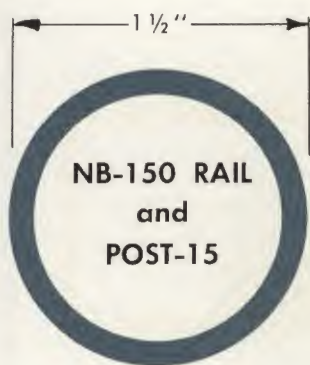


MATERIAL: Extruded aluminum alloy No.

PATENTED



# DETAILS



63ST5 with not less than 1/8" thick walls



# STRONG

WHERE STRENGTH COUNTS...WITH  
ECONOMICAL DOUBLE-WALL CONSTRUCTION

The Newman "ECONO-RAIL" combines all of the requisite qualities of rigidity and enduring strength with SUBSTANTIAL SAVINGS OVER OLD STYLE RAILINGS BECAUSE 90% OF THE WELDING IS COMPLETELY ELIMINATED.

This is particularly important when railings are to be anodized for it eliminates the problem of discoloration of the joints. The "ECONO-RAIL" has accurately machined, rigidly reinforced joints, utilizing mechanical Double-Wall construction . . . vibration- and impact-resistant. It has been thoroughly tested in hundreds of government and private buildings over a period of several years. And price-wise . . . in many cases ECONO-RAILS compare favorably with galvanized welded iron rails. Maintenance expense is eliminated.

## SUGGESTED SPECIFICATIONS

All tubular aluminum railings are to be "ECONO-RAILS," manufactured by Newman Brothers, Inc., Cincinnati, Ohio, of mechanical Double-Wall construction.

Material: Railings shall be made of extruded aluminum, No. 60635T5 alloy, with not less than 1/8" thick walls. All fittings and fasteners to be non-ferrous metals. Joints between vertical and horizontal members shall be accurately machined to be sharp and true, and free from discolorations.

Finish: Finish shall be brushed-satin and waxed (for interior railings) or brushed-satin anodized (for exterior railings).

Railings shall be completely factory-assembled and complete with all necessary fastenings, ready to erect.

## NEWMAN REPRESENTATIVES

### ALABAMA

Wilson Door & Window Supply Co.  
1324 Fourth Ave., West  
Birmingham — ST 1-4129

### ARIZONA

Maurice B. Liddell  
906 W. Campus Dr.  
Phoenix — Amherst 6-3697

### ARKANSAS

G. R. Schmelzer Sales Assoc.  
200 River Rd.  
Little Rock — Mohawk 6-6664

### CALIFORNIA

Wellman Alum. Building Products Co.  
1003 W. Francisquito Avenue  
West Covina — ED 3-7616

### CANADA

Dominion Alum. Fabricating, Ltd.  
10 Jutland Rd.  
Toronto 18 — CLifford 1-2236

### COLORADO

Leever-Post Company  
4350 Broadway N.  
Denver 16 — AM 6-2475

### FLORIDA

R. E. Gall  
P. O. Box 67  
Daytona Beach — Clinton 3-1421

Architectural Prod., Inc.  
46 N. E. 6th St.  
Miami — FR 1-6151

McCaa & Co.  
1205 W. Government St.  
Pensacola — HE 8-1623

Florida Distr's.  
P. O. Box 801  
Tampa 9 — REdwood 6-6768

### GEORGIA

F. Graham Williams Co.  
1690 Monroe Dr., N. E.  
Atlanta 9 — TR 5-0043

### HAWAII

Lewers & Cooke, Ltd.  
404 Piikoi Pkwy.  
Honolulu 2 — 51961

### IDAH0

Casco Company  
P. O. Box 335  
Boise — 3-3758

### ILLINOIS

C & H Bldg. Specialties  
5848 N. Northwest Hwy.  
Chicago 31 — SP 5-2722

### INDIANA

Enterprise Metal Prod.  
P. O. Box 127  
Terre Haute — Lincoln 8188  
(South Bend Area Call Chicago)

### KANSAS

The Lusco Brick & Stone Co.  
1136 Southwest Blvd.  
Kansas City 3 — JO 2-5850  
The Lusco Brick & Stone Co.  
342 N. Waco St.  
Wichita — AM 2-0406

### KENTUCKY

J. W. Shaughnessy Co.  
P. O. Box 144  
Valley Station  
Louisville — WE 7-8081

### LOUISIANA

A. B. Broussard & Sons, Inc.  
P. O. Box 1710  
Baton Rouge — Dickens 4-3703

Alumaglass Bldg. Prod., Inc.  
739 S. Clark St.  
New Orleans — Audubon 0844

Ideal Bldg. Mat'ls.  
P. O. Box 1545  
Shreveport — FL 70521

### MARYLAND

The Lea Co.  
2225 St. Paul St.  
Baltimore 18 — Belmont 5-7781

### MASSACHUSETTS

Doherty Assoc.  
750 Main  
Winchester (Boston) — Parkway 9-4356

### MICHIGAN

H. Edward Brunhoff, Jr.  
P. O. Box 93-C  
Grand Rapids — Glendale 2-4808  
Robbie Robinson Co.  
17626 James Couzens Hwy.  
Detroit 35 — University 4-1108

### MINNESOTA

James C. Nystrom  
3721 - 50th Avenue, N.  
Minneapolis 22 — Kellogg 3-5328

### MISSISSIPPI

John Howard  
713 Capitol St., W.  
Jackson — FL 4-2346

### MISSOURI

Lange-Schmidt Co.  
8230 Forsyth Blvd.  
St. Louis — Parkview 5-6654

### MONTANA

Stroup Hardware Co., Inc.  
2816 Minnesota Ave.  
Billings — CH 5-3186

### NEBRASKA

Simpson-Goodwin Co.  
4403 N. 20th St.  
Omaha 11 — Pleasant 7500

### NEW JERSEY

Gilbert Assoc.  
25 Broad St.  
Palisades Park — Whitney 3-7772  
(Camden Area Call Phila.)

### NEW MEXICO

Stepco  
P. O. Box 8026  
Albuquerque — Alpine 69612

### NEW YORK

Bronsteel Prod. Corp.  
1965 Sheridan Dr.  
Buffalo 23 — Bedford 7890

Doherty Associates, Inc.  
475 5th Ave.  
New York 17, N. Y. — MU 3-1093

W. F. Decker, Inc.  
Stoney Point  
Webster (Rochester) — Butler 8-4816

### NORTH CAROLINA

F. Graham Williams Co., Inc.  
1226 Salem Dr.  
Charlotte 9 — Franklin 6-1149

F. Graham Williams Co., Inc.  
728 Sycamore St.  
Rocky Mount — Gibson 65810

### OHIO

G. E. Henry Co.  
529 E. Town St.  
Columbus — CA 4-8362

### OKLAHOMA

Murry R. Womble Co.  
(Main Office)  
216 E. 16th St.  
Tulsa 19 — Luther 4-2414  
(Branch Office)  
121 N. E. 26th St.  
Oklahoma City 5 — JA 5-7417

### OREGON

W. E. Coleman Co.  
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Portland 2 — REImont 2-3143

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Philadelphia 3 — PE 5-4727  
Engineering Sales Co.  
550 McNeilly Rd.  
Pittsburgh 26 — Lehigh 1-3545

### TENNESSEE

Builders Specialties Co.  
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Nashville 3 — AL 6-0325

### TEXAS

R. A. Gilbert Co., Inc.  
Perry-Brooks Bldg.  
Austin 1 — GR 6-6229

Anco Sales Co.  
P. O. Box 7293  
Corpus Christi — TE 5-6259

Volkmer and Kratz Co.  
P. O. Box 35353  
Dallas 35 — FL 7-6466

Stepco  
P. O. Box 3626  
El Paso — Prospect 2-5274

Lehman Steel Prod. Co.  
P. O. Box 6772  
Houston 5 — Jackson 3-2511

### UTAH

Hasco, Inc.  
P. O. Box 2157  
Salt Lake City 10 — EL 5-5603

### VIRGINIA

Lewis & Sale, Inc.  
P. O. Box 5551  
Norfolk 13 — UL 3-0750

### WASHINGTON

Foster-Bray Co.  
174 Denny Way  
Seattle — Main 2-0525

Brant Bernhard Corp.  
Drawer 345  
Spokane 10 — RI 7-2081

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**N**EWMAN  
BROTHERS, INC.  
EST. 1882

670-678 W. FOURTH ST. CINCINNATI 3, OHIO

ARCHITECTURAL METAL WORK

CURTAIN WALLS • WINDOWS • SPANDRELS • "ECONO-RAILS"  
SPECIAL RAILINGS • DOORS • ENTRANCES • CAST ALUMINUM  
AND BRONZE TABLETS • SIGNS • MARKERS & LETTERS



# STRONG

WHERE STRENGTH COUNTS...WITH  
ECONOMICAL DOUBLE-WALL CONSTRUCTION

The Newman "ECONO-RAIL" combines all of the requisite qualities of rigidity and enduring strength with SUBSTANTIAL SAVINGS OVER OLD STYLE RAILINGS BECAUSE 90% OF THE WELDING IS COMPLETELY ELIMINATED.

This is particularly important when railings are to be anodized for it eliminates the problem of discoloration of  
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## SUGGESTED SPECIFICATIONS

All tubular aluminum railings are to be "ECONO-RAILS," manufactured by Newman Brothers, Inc., Cincinnati, Ohio, of mechanical Double-Wall construction.  
Material: Railings shall be made of extruded aluminum, No. 6063ST5 alloy, with not less than 1/8" thick walls.  
All fittings and fasteners to be non-ferrous metals.  
Joints between vertical and horizontal members shall

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Boise — 3-3758

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3721 - 50th Avenue, N.  
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718 Capitol St., W.  
Jackson — FL 4-2346

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Murry R. Womble Co.  
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216 E. 16th St.  
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**NEWMAN**  
BROTHERS, INC.  
EST. 1882

670-678 W. FOURTH ST. CINCINNATI 3, OHIO

### ARCHITECTURAL METAL WORK

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